MONITORING COMPLETED NAVIGATION PROJECTS PROGRAM

OVERVIEW

The Monitoring Completed Navigation Projects (MCNP) program evaluates the performance of completed civil works navigation projects. Its objective is to obtain information for verifying or improving navigation project performance. Monitoring is conducted to (1) determine if the project is functioning as designed, (2) improve design procedures, (3) improve construction methods, and (4) improve operations and maintenance techniques.

Shallow- and deep-draft navigation projects located in rivers, reservoirs, lakes, estuaries, and the coastal zone may be considered for monitoring in the MCNP program. Monitoring may be conducted as either a comprehensive detailed survey to verify post-construction conditions on a one-time basis, or a continuous (repetitive) collection of prototype data over an extended period. The MCNP program can only fund monitoring for completed projects operated and/or maintained by the Corps of Engineers. Projects must be related to navigation, or mitigation for navigation, to be monitored by the program.

Monitoring of selected projects under MCNP is funded by Headquarters, U.S. Army Corps of Engineers (HQUSACE) from the Operations and Maintenance (O&M) appropriation. HQUSACE has overall responsibility for the program, and the Coastal and Hydraulics Laboratory of the U.S. Army Engineer Research and Development Center (ERDC) provides for day-to-day technical accomplishment and administrative management of the MCNP program.

Nominations of projects for the MCNP program are solicited by HQUSACE when funds are available for the monitoring of additional projects. Solicitations are sent to Division offices, which solicit and receive nominations from their Districts. Nominated projects are ranked by HQ-established criteria and then prioritized by a Field Review Group during program reviews. Final selections for the program are made at HQUSACE based upon the priority listing, national priorities, and available funds. The regulation governing the MCNP program is ER 1110-2-8151.

To date, 32 project sites have been monitored through the MCNP program. Fifty five technical publications (38 technical reports and 17 technical notes) have been published and distributed to the field. Benefits derived from lessons learned, through these monitoring efforts, will result in more functional, cost effective navigation projects in the future. MCNP reports can be located via the ERDC Library web site (http://134.164.46.9/uhtbin/cgisirsi/D2vd38LvCR/0/49) and Technical Notes are available online at http://chl.wes.army.mil/library/publications/.

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